

Links for CAB – 3-25-21

- TOTEM and DØ collaborations announce odderon discovery: <https://news.fnal.gov/2021/03/totem-and-do-collaborations-announce-odderon-discovery/>
- Fermilab delivers final superconducting particle accelerator component for world's most powerful laser: <https://news.fnal.gov/2021/03/fermilab-delivers-final-superconducting-particle-accelerator-component-for-worlds-most-powerful-laser/>
- National laboratories' magnet designers look to the future of light sources with new prototype: <https://news.fnal.gov/2021/01/national-laboratories-magnet-designers-look-to-the-future-of-light-sources-with-new-prototype/>
- PIP-II tests cryomodule: <https://news.fnal.gov/2021/03/testing-wraps-up-for-first-fermilab-designed-cryomodule-for-pip-ii-accelerator/>
- High Luminosity accelerator upgrade project gets construction start approval: <https://news.fnal.gov/2021/02/hl-lhc-accelerator-upgrade-project-receives-approval-to-move-full-speed-ahead-from-department-of-energy/>
- DUNE near detector: <https://news.fnal.gov/2021/03/particle-detector-at-fermilab-plays-crucial-role-in-deep-underground-neutrino-experiment/>
- How quiet is quantum space-time at the Planck scale? <https://news.fnal.gov/2021/02/random-twists-of-place-how-quiet-is-quantum-space-time-at-the-planck-scale/>
- International Day of Women and Girls in STEM: <https://news.fnal.gov/2021/02/passionate-about-particle-physics-presentations-from-four-fermilab-women/>
- Brief history of women of Fermilab: <https://news.fnal.gov/2021/03/a-brief-history-of-women-of-fermilab/>
- Virtual lab tour with Fermilab scientists and engineers: <https://youtu.be/HGA18zsBS5Q>
- Fermilab Open House page: <https://ed.fnal.gov/events/openhouse/>
- Symmetry stories
 - <https://www.symmetrymagazine.org/article/six-fabulous-facts-about-the-standard-model>
 - <https://www.symmetrymagazine.org/article/the-pierre-auger-observatory-shares-10-percent-of-data>
 - <https://www.symmetrymagazine.org/article/new-strategy-for-latin-american-physics>
 - <https://www.symmetrymagazine.org/article/dear-labby-life-advice-from-physics>
 - <https://www.symmetrymagazine.org/article/what-is-luminosity>
 - <https://www.symmetrymagazine.org/article/five-diy-physics-demos>
- Kevin Pitts is new Chief Research Officer: <https://news.fnal.gov/2021/03/fermilab-names-kevin-pitts-as-chief-research-officer/>

In the News

- Gizmodo writes about the odderon discovery: <https://gizmodo.com/physicists-discover-the-elusive-odderon-first-predicted-1846513075>
- Jessica Esquivel on CBS News: <https://chicago.cbslocal.com/video/5290455-mission-unstoppable-on-cbs-encouraging-girls-in-stem/>
- Jessica Esquivel in Chicago Tribune: <https://www.chicagotribune.com/lifestyles/ct-life-women-and-girls-in-stem-if-they-are-ambassadors-tt-0210-20210210-bwdgh6desnettlejk2ghqumt5e-story.html>
- Asymmetry in the proton (SeaQuest):
 - Nature: <https://www.nature.com/articles/d41586-021-00430-3>
 - Fermilab: <https://news.fnal.gov/2021/02/natures-funhouse-mirror-understanding-asymmetry-in-the-proton/>
 - Science News: <https://www.sciencenews.org/article/proton-antimatter-lopsided-quark-antiquark>
 - Quanta: <https://www.quantamagazine.org/protons-antimatter-revealed-by-decades-old-experiment-20210224/>
 - Physics World: <https://physicsworld.com/a/proton-contains-more-anti-down-quarks-than-anti-up/>
- Don Lincoln on time dilation and atomic clocks: <https://www.youtube.com/watch?v=hzLTgtFaPLY>
- La Nazione – Anna Grasselino: <https://www.lanazione.it/pisa/cronaca/scienziata-anna-grasselino-1.6108186>
- iO Donna – Anna Grasselino: <https://www.iodonna.it/attualita/costume-e-societa/2021/02/05/il-segreto-della-scienza-creativita-e-nella-femminile/>

Muon g-2 first results on April 7:

<https://theory.fnal.gov/events/event/first-results-from-the-muon-g-2-experiment-at-fermilab/>